



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090200

Mode: Highway

Status: Submitted

SR-1009 (South Churton Street)

From/Cross Street: I-40

Specific Improvement Type: 1 - Widen Existing Roadway

To: Eno River

Project Category: Division Needs

Length: 2.56

TIP#: R-2825

Fully Funded in Draft STIP? No

Cost to NCDOT: \$26,240,000

Description:

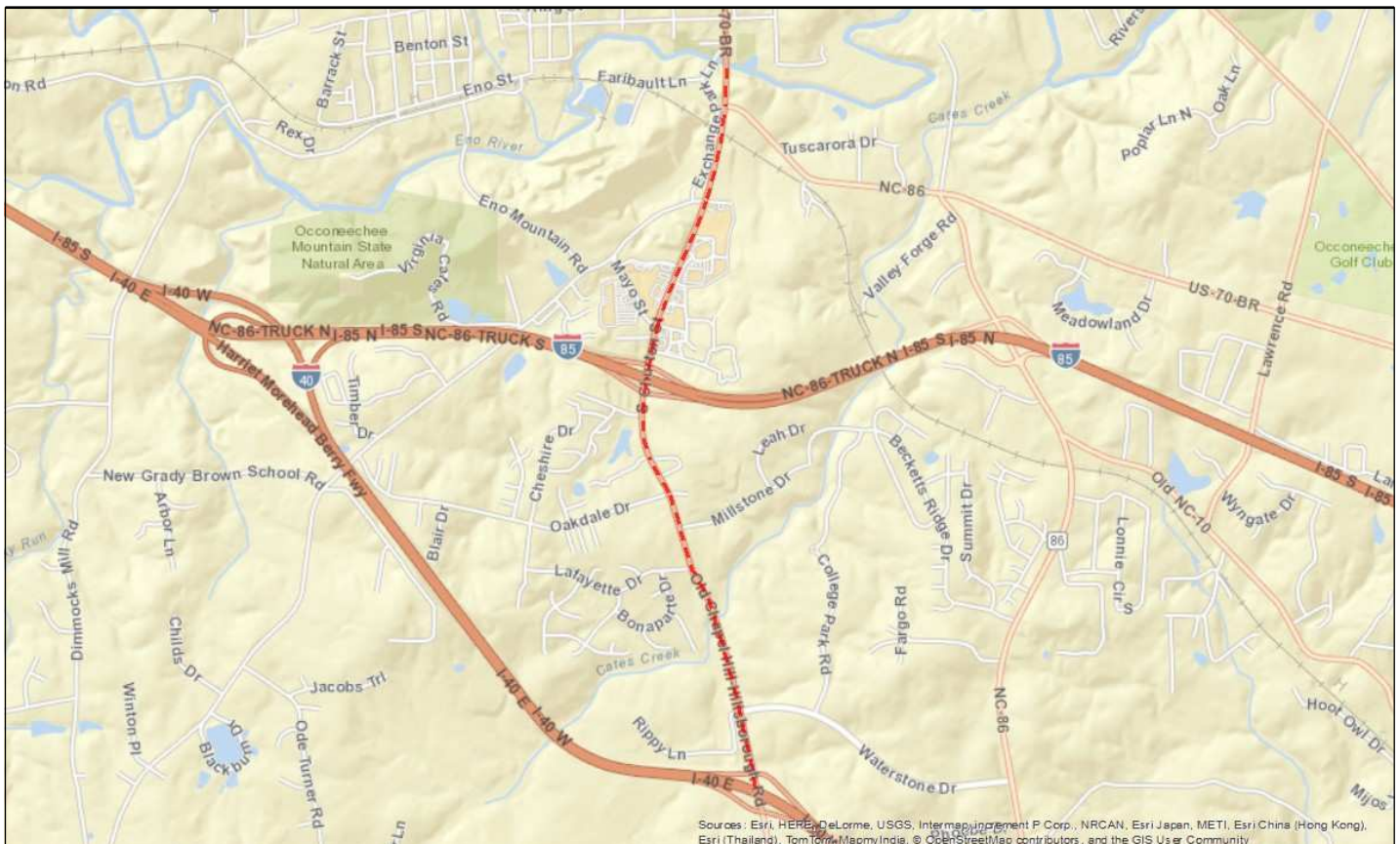
I-40 to Eno River. Widen to Multi-Lanes with Landscaped Median, Bicycle Lanes, and Sidewalks, Widen Bridge No. 240 Over Southern Railroad.

Division(s): Division 7

County(s): ORANGE

MPOS(s)/RPO(s): Durham Chapel Hill Carrboro MPO

Project Location



Statewide Mobility Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|-------------------------------|
| Totals: Weight: 0% Weighted Score: 0 | N/A | N/A |

Regional Impact Total Score: 0

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|-------------------------------|
| Totals: Weight: 0% Weighted Score: 0 | Percent: 15% Points: 0 | Percent: 15% Points: 0 |

Division Needs Total Score: 68.85

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|-------------------------------|
| Congestion (V/C) (20%) 73.62 Safety (10%) 69.81 [Travel Time] Benefit/Cost (20%) 3.24 Totals: Weight: 50% Weighted Score: 22.35 | Percent: 25% Points: 93 | Percent: 25% Points: 93 |

Project Data ***Existing Conditions**

| | |
|---|----------------|
| Existing Cross-Section: | |
| Speed Limit: | 40 |
| Length (miles): | 1.11 |
| Facility Type: | Arterial |
| Access Control: | None |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| Lane Width: | 12 |
| Paved Shoulder Width: | 0 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 17539.98 |
| Capacity: | 15800 |
| Volume/Capacity Ratio: | 1.11 |
| % Autos: | 96% |
| % Trucks: | 4% |
| Truck Volume: | 768.42 |
| Crash Density: | 95.57 |
| Crash Severity: | 52.64 |
| Critical Crash Rate: | 61.23 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 3 |
| Non-Interstate STRAHNET Route? | No |
| Average Commuting Time: | 24 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 70 |
| Actual Congested Speed: | 28.39 |
| Travel Time Index: | 1.39 |

Project Benefits

| | |
|--|---|
| Project Cross-Section: | 4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks |
| Speed Limit: | 40 |
| Length (miles): | 2.56 |
| Facility Type: | Arterial |
| Access Control: | Partial |
| Functional Classification: | Minor Arterial |
| Terrain Type: | Rolling |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 4 |
| Travel Time Savings for 30 Years (Total): | 3793700.21 |
| Travel Time Savings for 30 Years (Autos): | 3627500.03 |
| Travel Time Savings for 30 Years (Trucks): | 166200.18 |
| Long-Term Employment: | |
| % Change in Economy: | |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | No |
| In CTP or LRTP? | No |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 7 |

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|----------------|------------------------|-----------------------|
| Division 7 | 100% | 0 | 93 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 0 | 93 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|---------------------------------|----------------|------------------------|-----------------------|
| Durham Chapel Hill Carrboro MPO | 100% | 0 | 93 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 0 | 93 |

Project Cost and Source

| | | |
|------------------------|---------------------|----------------------|
| Construction Cost: | \$24,054,000 | TIP Unit |
| Right-of-Way Cost: | \$1,952,000 | Cost Estimation Tool |
| Utilities Cost: | \$234,000 | Cost Estimation Tool |
| Total Project Cost: | \$26,240,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$26,240,000 | |